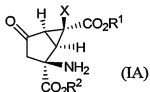


AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A process for preparing a compound of formula (IA):



wherein R¹ and R² are each selected from the group consisting of

- (1) hydrogen,
- (2) C₁-10 alkyl,
- (3) C₃-8 cycloalkyl, and
- (4) -(CH₂)_n -phenyl

wherein n is 1 or 2, and said alkyl, cycloalkyl and phenyl are unsubstituted or substituted with one or more halogen, hydroxy, C₁-6 alkyl or C₁-6 alkoxy;

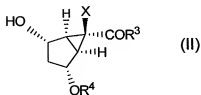
X is selected from the group consisting of

- (1) halogen, and
- (2) hydrogen; or

pharmaceutically acceptable salts thereof,

comprising:

- (A) oxidizing a compound of formula (II):



wherein R³ is selected from the group consisting of

- (1) -OH,

(2) -O-R^a, and

(3) -NR^bR^c,

wherein R^a is selected from the group consisting of

(a) C₁₋₁₀ alkyl, and

(b) C₃₋₈ cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C₁₋₁₀ alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen,

~~(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~

(vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

(a) halogen

(b) C₁₋₁₀ alkyl, and

(c) C₃₋₈ cycloalkyl,

and when R^b, R^c, R^e and R^f are C₁₋₁₀ alkyl or C₃₋₈ cycloalkyl, said

C₁₋₁₀ alkyl and C₃₋₈ cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,

(ii) C₁₋₁₀ alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and

(v) — heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and

(vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C₁₋₁₀ alkyl or C₃₋₈ cycloalkyl;

or R^b and R^e, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^e group may be unsubstituted or substituted at the ring carbon atoms by one or more

— (i) — hydroxy,

(ii) — C₁₋₁₀ alkoxy,

(iii) — SR^d,

(iv) — aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and

(v) — heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and

(vi) — NR^gR^h;

R^d is hydrogen or C₁₋₁₀ alkyl; and

R⁴ is selected from the group consisting of

(1) hydrogen,

(2) C₁₋₁₀ alkyl,

(3) Si-(R⁹)(R¹⁰)(R¹¹),

(4) C(=O)-R¹², wherein R¹² is selected from the group consisting of

(a) C₁₋₁₀ alkyl,

(b) C₁₋₁₀ perfluoroalkyl, and

(c) phenyl which is substituted or unsubstituted with one or more substituents selected from the group consisting of nitro, halogen, C₁₋₁₀ alkyl, and C₁₋₁₀ alkoxy,

(5) CH₂-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C₁₋₁₀ alkyl and C₁₋₁₀ alkoxy,

(6) (CH₂)_p-O-(CH₂)_q-X'-R¹⁴,

(7) tetrahydropyranyl,

wherein R⁹, R¹⁰ and R¹¹ are each C₁₋₁₀ alkyl or phenyl, and R¹⁴ is selected from the group consisting of

(a) hydrogen,

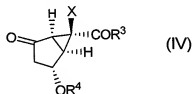
(b) C₁₋₁₀ alkyl,

p is 1 or 2;

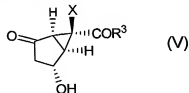
q is an integer selected from 1-10; and

X' is O or a bond;

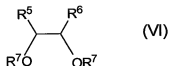
to form a compound of formula (IV):



(B) deprotecting the compound of formula (IV) to form a compound of formula (V):



(C) reacting the compound of formula (V) with a compound of formula (VI):



wherein R⁵ and R⁶ are each independently selected from the group consisting of

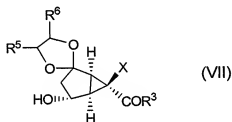
- (1) ~~hydrogen~~;
- (2)(1) C₁₋₁₀ alkyl,
- (3)(2) C₃₋₈ cycloalkyl, and
- (4)(3) (CH₂)_m phenyl,

wherein m is 0, 1 or 2, and

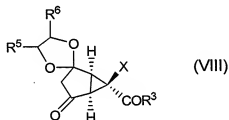
R⁷ is selected from the group consisting of

- (1) hydrogen, and
- (2) Si-(R⁹)(R¹⁰)(R¹¹), wherein R⁹, R¹⁰ and R¹¹ are each C₁₋₁₀ alkyl or phenyl;

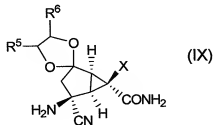
to give a compound of formula (VII):



(D) oxidizing the compound of formula (VII) to give a compound of formula (VIII):

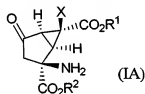


(E) converting the compound of formula (VIII) to a compound of formula (IX):



and (F) converting the compound of formula (IX) to the compound of formula (IA).

2. (original): The process of Claim 1 wherein R^5 and R^6 are methyl.
3. (original): The process of Claim 1 wherein R^5 and R^6 are phenyl.
4. (original): The process of Claim 1 wherein R^3 is methoxy.
5. (original): The process of Claim 1 wherein R^1 and R^2 are hydrogen.
6. (original): The process of Claim 1 wherein R^7 is trimethylsilyl.
7. (original): The process of Claim 1 wherein X is hydrogen.
8. (original): The process of Claim 1 wherein X is fluoro.
9. (original): The process of Claim 1 wherein R^4 is *tert* butyldimethylsilyl.
10. (currently amended): A process for preparing a compound of formula (IA):



wherein R^1 and R^2 are each selected from the group consisting of

- (1) hydrogen,
- (2) C_{1-10} alkyl,
- (3) C_{3-8} cycloalkyl, and
- (4) $-(\text{CH}_2)_n$ -phenyl

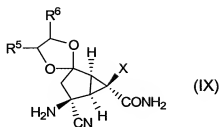
wherein n is 1 or 2, and said alkyl, cycloalkyl and phenyl are unsubstituted or substituted with one or more halogen, hydroxy, C_{1-6} alkyl or C_{1-6} alkoxy;

X is selected from the group consisting of

- (1) halogen, and
- (2) hydrogen; ~~and or~~

pharmaceutically acceptable salts thereof;

comprising converting the compound of formula (IX):



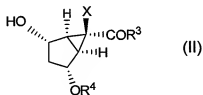
wherein R⁵ and R⁶ are each independently selected from the group consisting of

- (1) ~~hydrogen~~,
- (2)(1) C₁₋₁₀ alkyl,
- (3)(2) C₃₋₈ cycloalkyl, and
- (4)(3) (CH₂)_m-phenyl,

wherein m is 0, 1 or 2,

to the compound of formula (IA).

- 11. (original): The process of Claim 10 wherein R⁵ and R⁶ are methyl.
- 12. (original): The process of Claim 10 wherein R⁵ and R⁶ are phenyl.
- 13. (original): The process of Claim 10 wherein X is fluoro.
- 14. (original): The process of Claim 10 wherein X is hydrogen.
- 15. (currently amended): A process for preparing a compound of formula (II):



wherein R³ is selected from the group consisting of

- (1) -OH,
- (2) -O-R^a, and
- (3) -NR^bR^c,

wherein R^a is selected from the group consisting of

- (a) C₁₋₁₀ alkyl, and
- (b) C₃₋₈ cycloalkyl,

and R^a is unsubstituted or substituted with one or more

- (i) C₁₋₁₀ alkoxy,
- (ii) hydroxy,
- (iii) halogen,
- (iv) SR^d,
- (v) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen,
- (vi) ~~heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

- (a) hydrogen,
- (b) C₁₋₁₀ alkyl, and
- (c) C₃₋₈ cycloalkyl,

and when R^b, R^c, R^e or R^f are C₁₋₁₀ alkyl or C₃₋₈ cycloalkyl, said C₁₋₁₀ alkyl and C₃₋₈ cycloalkyl are unsubstituted or substituted with one or more

- (i) hydroxy,
- (ii) C₁₋₁₀ alkoxy,
- (iii) SR^d,
- (iv) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and
- (v) ~~heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C₁₋₁₀ alkyl or C₃₋₈ cycloalkyl;

~~or R^b and R^e, together with the N atom to which they are attached, form a group~~



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

- (i) —hydroxy,
- (ii) — C_{1-10} alkoxy,
- (iii) — SR^d ,
- (iv) —aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and
- (v) —heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and
- (vi) — NR^gR^h ,

R^d is hydrogen or C_{1-10} alkyl;

X is selected from the group consisting of

- (1) halogen, and
- (2) hydrogen;

R^4 is selected from the group consisting of

- (1) hydrogen,
- (2) C_{1-10} alkyl,
- (3) $\text{Si}-(\text{R}^9)(\text{R}^{10})(\text{R}^{11})$,
- (4) $\text{C}(=\text{O})-\text{R}^{12}$, wherein R^{12} is selected from the group consisting of
 - (a) C_{1-10} alkyl,
 - (b) C_{1-10} perfluoroalkyl, and
 - (c) phenyl which is substituted or unsubstituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl, and C_{1-10} alkoxy,
- (5) CH_2 -phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl and C_{1-10} alkoxy,

(6) $(\text{CH}_2)_p\text{-O-(CH}_2)_q\text{-X'-R}^{14}$,

(7) tetrahydropyranyl,

wherein R^9 , R^{10} and R^{11} are each C_{1-10} alkyl or phenyl, and R^{14} is selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl,

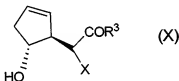
p is 1 or 2;

q is an integer of from 1-10; and

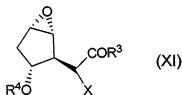
X' is O or a bond;

comprising:

(A) converting a compound of formula (X):



to a compound of formula (XI):



and (B) reacting a compound of formula (XI) with a base in the presence of a Lewis acid to give a compound of formula (II).

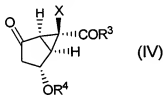
16. (previously presented): The process of Claim 15 wherein the conversion of a compound of formula (X) to a compound of formula (XI) comprises the step of subjecting a compound of formula (X) to epoxidation in the presence of a peroxide source and a catalytic amount of $\text{VO}(\text{acac})_2$.

17. (previously presented): The process of Claim 15 wherein the conversion of a compound of formula (X) to a compound of formula (XI) comprises treating the compound of formula (X) with a halogenating agent, followed by treatment with a base.

18. (original): The process of Claim 15 wherein X is fluoro.

19. (original): The process of Claim 15 wherein X is hydrogen.

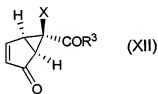
20. (previously presented): The process of Claim 15, further comprising the step of oxidizing the compound of formula (II) to form a compound of formula (IV)



21. (original): The process of Claim 20 wherein X is fluoro.

22. (original): The process of Claim 20 wherein X is hydrogen.

23. (currently amended): A process for preparing a compound of formula (XII)



wherein R³ is selected from the group consisting of

- (1) -OH,
- (2) -O-R^a, and
- (3) -NR^bR^c,

wherein R^a is selected from the group consisting of

- (a) C₁₋₁₀ alkyl, and
- (b) C₃₋₈ cycloalkyl,

and R^a is unsubstituted or substituted with one or more

- (i) C₁₋₁₀ alkoxy,
- (ii) hydroxy,
- (iii) halogen,

- (iv) SR^d,
- (v) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen,
- (vi) ~~heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

- (a) hydrogen,
- (b) C₁₋₁₀ alkyl, and
- (c) C₃₋₈ cycloalkyl,

and when R^b, R^c, R^e and R^f are C₁₋₁₀ alkyl or C₃₋₈ cycloalkyl, said C₁₋₁₀ alkyl and C₃₋₈ cycloalkyl are unsubstituted or substituted with one or more

- (i) hydroxy,
- (ii) C₁₋₁₀ alkoxy,
- (iii) SR^d,
- (iv) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and
- (v) ~~heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C₁₋₁₀ alkyl or C₃₋₈ cycloalkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

- (i) — hydroxy,
- (ii) — C₁₋₁₀ alkoxy,
- (iii) — SR^d,
- (iv) — aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and
- (v) — heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and
- (vi) — NR^eRR^h,

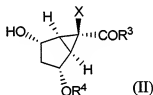
R^d is hydrogen or C₁₋₁₀ alkyl;

X is selected from the group consisting of

- (1) halogen, and
- (2) hydrogen;

comprising:

- (A) converting a compound of formula (II)



wherein R⁴ is selected from the group consisting of

- (1) hydrogen,
- (2) C₁₋₁₀ alkyl,
- (3) Si-(R⁹)(R¹⁰)(R¹¹),
- (4) C(=O)-R¹², wherein R¹² is selected from the group consisting of
 - (a) C₁₋₁₀ alkyl,
 - (b) C₁₋₁₀ perfluoroalkyl, and
 - (c) phenyl which is substituted or unsubstituted with one or more substituents selected from the group consisting of nitro, halogen, C₁₋₁₀ alkyl, and C₁₋₁₀ alkoxy,

(5) CH₂-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C₁₋₁₀ alkyl and C₁₋₁₀ alkoxy,

(6) (CH₂)_p-O-(CH₂)_q-X'-R¹⁴,

(7) tetrahydropyranyl,

wherein R⁹, R¹⁰ and R¹¹ are each C₁₋₁₀ alkyl or phenyl, and R¹⁴ is selected from the group consisting of

(a) hydrogen,

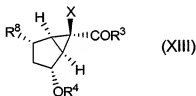
(b) C₁₋₁₀ alkyl,

p is 1 or 2;

q is an integer of from 1-10; and

X' is O or a bond;

to a compound of formula (XIII)



wherein R⁸ is selected from the group consisting of

(1) halogen, and

(2) O-SO₂-R¹², wherein R¹² is selected from the group consisting of

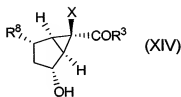
(a) C₁₋₁₀ alkyl,

(b) C₁₋₁₀ perfluoroalkyl, and

(c) phenyl which is substituted or unsubstituted with one or more substituents

selected from the group consisting of nitro, halogen, C₁₋₁₀ alkyl, and C₁₋₁₀ alkoxy,

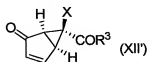
(B) removing R⁴ to form a compound of formula (XIV)



and (C) oxidizing the compound of formula (XIV) to form the compound of formula (XII).

24. (original): The process of claim 23 wherein R³ is methoxy.

25. (currently amended): A process for preparing a compound of formula (XII')



wherein R³ is selected from the group consisting of

- (1) -OH,
- (2) -O-R^a, and
- (3) -NR^bR^c,

wherein R^a is selected from the group consisting of

- (a) C₁₋₁₀ alkyl, and
- (b) C₃₋₈ cycloalkyl,

and R^a is unsubstituted or substituted with one or more

- (i) C₁₋₁₀ alkoxy,
- (ii) hydroxy,
- (iii) halogen,
- (iv) SR^d,
- (v) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen,
- (vi) ~~heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (vii) NR^eR^f;

R^b, and R^c, R^e and R^f are selected from the group consisting of

- (a) hydrogen,
- (b) C₁₋₁₀ alkyl, and
- (c) C₃₋₈ cycloalkyl,

and when R^b, R^c, R^e and R^f are C₁₋₁₀ alkyl or C₃₋₈ cycloalkyl, said

C₁₋₁₀ alkyl and C₃₋₈ cycloalkyl are unsubstituted or substituted with one or more

- (i) hydroxy,
- (ii) C₁₋₁₀ alkoxy,
- (iii) SR^d,
- (iv) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen,
- (v) ~~heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (vi) NRGR^h;

wherein R^g and R^h are selected from the group consisting of hydrogen, C₁₋₁₀ alkyl or C₃₋₈ cycloalkyl;

R^d is hydrogen or C₁₋₁₀ alkyl;

~~or R^b and R^e, together with the N atom to which they are attached, form a group~~



wherein *r* is 1 or 2, and the NR^bR^e group may be unsubstituted or substituted at the ring carbon atoms by one or more

- (i) hydroxy,
- (ii) C₁₋₁₀ alkoxy,
- (iii) SR^d,
- (iv) ~~aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (v) ~~heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (vi) ~~NRGR^h,~~

X is selected from the group consisting of

- (1) halogen, and

(2) hydrogen; and

R⁴ is selected from the group consisting of

(1) hydrogen,

(2) C₁₋₁₀ alkyl,

(3) Si-(R⁹)(R¹⁰)(R¹¹),

(4) C(=O)-R¹², wherein R¹² is selected from the group consisting of

(a) C₁₋₁₀ alkyl,

(b) C₁₋₁₀ perfluoroalkyl, and

(c) phenyl which is substituted or unsubstituted with one or more substituents selected from the group consisting of nitro, halogen, C₁₋₁₀ alkyl, and C₁₋₁₀ alkoxy,

(5) CH₂-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C₁₋₁₀ and C₁₋₁₀ alkoxy,

(6) (CH₂)_p-O-(CH₂)_q-X'-R¹⁴,

(7) tetrahydropyranyl,

wherein R⁹, R¹⁰ and R¹¹ are each C₁₋₁₀ alkyl or phenyl, and R¹⁴ is selected from the group consisting of

(a) hydrogen,

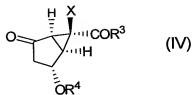
(b) C₁₋₁₀ alkyl;

p is 1 or 2;

q is an integer of from 1-10; and

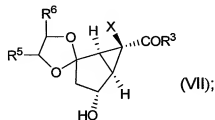
X' is O or a bond;

comprising converting a compound of formula (IV)



to a compound of formula (XII').

26. (currently amended): A compound of formula (VII):



wherein R³ is selected from the group consisting of

- (1) -OH,
- (2) -O-R^a, and
- (3) -NR^bR^c,

wherein R^a is selected from the group consisting of

- (a) C₁₋₁₀ alkyl, and
- (b) C₃₋₈ cycloalkyl,

and R^a is unsubstituted or substituted with one or more

- (i) C₁₋₁₀ alkoxy,
- (ii) hydroxy,
- (iii) halogen,
- (iv) SR^d,
- (v) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen,
- (vi) ~~heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

- (a) hydrogen,
- (b) C₁₋₁₀ alkyl, and
- (c) C₃₋₈ cycloalkyl,

and when R^b, R^c, R^e and R^f are C₁₋₁₀ alkyl or C₃₋₈ cycloalkyl, said C₁₋₁₀ alkyl and C₃₋₈ cycloalkyl are unsubstituted or substituted with one or more

- (i) hydroxy,
- (ii) C₁₋₁₀ alkoxy,
- (iii) SR^d,
- (iv) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen,
- ~~(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (vii) NRGR^h;

wherein R^g and R^h are selected from the group consisting of hydrogen, C₁₋₁₀ alkyl or C₃₋₈ cycloalkyl

R^d is hydrogen or C₁₋₁₀ alkyl;

~~or R^b and R^e, together with the N atom to which they are attached, form a group~~



~~wherein r is 1 or 2, and the NR^bR^e group may be unsubstituted or substituted at the ring carbon atoms by one or more~~

- ~~(i) hydroxy,~~
- ~~(ii) C₁₋₁₀ alkoxy,~~
- ~~(iii) SR^d,~~
- ~~(iv) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- ~~(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- ~~(vi) NRGR^h,~~

R^5 and R^6 are independently selected from the group consisting of

- (1) hydrogen,
- (2)(1) C_{1-10} alkyl,
- (3)(2) C_{3-8} cycloalkyl, and
- (4)(3) $(CH_2)_m$ -phenyl,

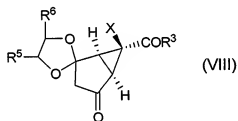
wherein m is 0, 1 or 2; and

X is selected from the group consisting of

- (1) halogen, and
- (2) hydrogen;

and/or salts thereof.

27. (currently amended): A compound of formula (VIII):



wherein R^3 is selected from the group consisting of

- (1) $-OH$,
- (2) $-O-R^a$, and
- (3) $-NR^bR^c$,

wherein R^a is selected from the group consisting of

- (a) C_{1-10} alkyl, and
- (b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

- (i) C_{1-10} alkoxy,
- (ii) hydroxy,
- (iii) halogen,
- (iv) SR^d ,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C1-10 alkoxy, C1-10 alkyl or halogen,

~~(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C1-10 alkoxy, C1-10 alkyl or halogen, and~~

(vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

- (a) hydrogen,
- (b) C1-10 alkyl, and
- (c) C3-8 cycloalkyl,

and when R^b, R^c, R^e and R^f are C1-10 alkyl or C3-8 cycloalkyl, said C1-10 alkyl and C3-8 cycloalkyl are unsubstituted or substituted with one or more

- (i) hydroxy,
- (ii) C1-10 alkoxy,
- (iii) SR^d,
- (iv) aryl, unsubstituted or substituted with one or more hydroxy, C1-10 alkoxy, C1-10 alkyl or halogen, and
- ~~(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C1-10 alkoxy, C1-10 alkyl or halogen, and~~
- (vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C1-10 alkyl or C3-8 cycloalkyl;

R^d is hydrogen or C1-10 alkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

- (i) ~~hydroxy,~~
- (ii) ~~C₁₋₁₀ alkoxy,~~
- (iii) ~~SR^d,~~
- (iv) ~~aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (v) ~~heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (vi) ~~NR^eR^h,~~

R⁵ and R⁶ are independently selected from the group consisting of

- (1) ~~hydrogen,~~
- (2)(1) C₁₋₁₀ alkyl,
- (3)(2) C₃₋₈ cycloalkyl, and
- (4)(3) (CH₂)_m phenyl,

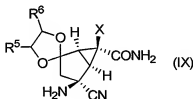
wherein m is 0, 1 or 2; and

X is selected from the group consisting of

- (1) halogen, and
- (2) hydrogen;

~~and/or~~ salts thereof.

28. (currently amended): A compound of formula (IX):



wherein R⁵ and R⁶ are independently selected from the group consisting of

- (1) ~~hydrogen,~~
- (2)(1) C₁₋₁₀ alkyl,
- (3)(2) C₃₋₈ cycloalkyl, and
- (4)(3) (CH₂)_m -phenyl,

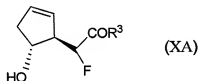
wherein m is 0, 1 or 2; and

X is selected from the group consisting of

- (1) halogen, and
- (2) hydrogen;

and or salts thereof.

29. (currently amended): A compound of formula (XA):



wherein R³ is selected from the group consisting of

- (1) -OH,
- (2) -O-R^a, and
- (3) -NR^bR^c,

wherein R^a is selected from the group consisting of

- (a) C₁₋₁₀ alkyl, and
- (b) C₃₋₈ cycloalkyl,

and R^a is unsubstituted or substituted with one or more

- (i) C₁₋₁₀ alkoxy,
- (ii) hydroxy,
- (iii) halogen,
- (iv) SR^d,
- (v) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen,
- (vi) ~~heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

- (a) hydrogen,
- (b) C₁₋₁₀ alkyl, and
- (c) C₃₋₈ cycloalkyl,

and when R^b, R^c, R^e and R^f are C₁₋₁₀ alkyl or C₃₋₈ cycloalkyl, said C₁₋₁₀ alkyl and C₃₋₈ cycloalkyl are unsubstituted or substituted with one or more

- (i) hydroxy,
- (ii) C₁₋₁₀ alkoxy,
- (iii) SR^d,
- (iv) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and
- ~~(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C₁₋₁₀ alkyl or C₃₋₈ cycloalkyl;

or R^b and R^e, together with the N atom to which they are attached, form a group



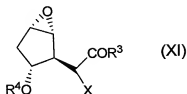
wherein r is 1 or 2, and the NR^bR^e group may be unsubstituted or substituted at the ring carbon atoms by one or more

- (i) hydroxy,
- (ii) C₁₋₁₀ alkoxy,
- (iii) SR^d,
- (iv) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and
- (v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and
- (vi) NR^gR^h;

R^d is hydrogen or C₁₋₁₀ alkyl;

and/or salts thereof.

30. (currently amended): A compound of formula (XI):



wherein R³ is selected from the group consisting of

- (1) -OH,
- (2) -O-R^a, and
- (3) -NR^bR^c,

wherein R^a is selected from the group consisting of

- (a) C₁₋₁₀ alkyl, and
- (b) C₃₋₈ cycloalkyl,

and R^a is unsubstituted or substituted with one or more

- (i) C₁₋₁₀ alkoxy,
- (ii) hydroxy,
- (iii) halogen,
- (iv) SR^d,
- (v) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen,
- (vi) ~~heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

- (a) hydrogen,
- (b) C₁₋₁₀ alkyl, and
- (c) C₃₋₈ cycloalkyl,

and when R^b , R^c , R^e and R^f are C₁₋₁₀ alkyl or C₃₋₈ cycloalkyl, said C₁₋₁₀ alkyl and C₃₋₈ cycloalkyl are unsubstituted or substituted with one or more

- (i) hydroxy,
- (ii) C₁₋₁₀ alkoxy,
- (iii) SR^d ,
- (iv) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and
- (v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and
- (vi) NR^gR^h ;

wherein R^g and R^h are hydrogen, C₁₋₁₀ alkyl or C₃₋₈ cycloalkyl;

or R^b and R^e , together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^e group may be unsubstituted or substituted at the ring carbon atoms by one or more

- (i) hydroxy,
- (ii) C₁₋₁₀ alkoxy,
- (iii) SR^d ,
- (iv) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and
- (v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and
- (vi) NR^gR^h ;

R^d is hydrogen or C₁₋₁₀ alkyl;

R^4 is selected from the group consisting of

- (1) hydrogen,
- (2) C₁₋₁₀ alkyl,
- (3) Si-(R⁹)(R¹⁰)(R¹¹),
- (4) C(=O)-R¹², wherein R¹² is selected from the group consisting of
 - (a) C₁₋₁₀ alkyl,
 - (b) C₁₋₁₀ perfluoroalkyl, and
 - (c) phenyl which is substituted or unsubstituted with one or more substituents selected from the group consisting of nitro, halogen, C₁₋₁₀ alkyl, and C₁₋₁₀ alkoxy,
- (5) CH₂-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C₁₋₁₀ alkyl and C₁₋₁₀ alkoxy,
- (6) (CH₂)_p-O-(CH₂)_q-X'-R¹⁴,
- (7) tetrahydropyranyl,

wherein R⁹, R¹⁰ and R¹¹ are each C₁₋₁₀ alkyl or phenyl, and R¹⁴ is selected from the group consisting of

- (a) hydrogen,
- (b) C₁₋₁₀ alkyl,

p is 1 or 2;

q is an integer of from 1-10; and

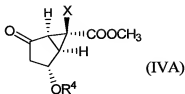
X' is O or a bond;

X is selected from the group consisting of

- (1) halogen, and
- (2) hydrogen;

and or salts thereof.

31. (currently amended): A compound of formula (IVA):



wherein X is selected from the group consisting of

- (1) halogen, and
- (2) hydrogen; and

R⁴ is selected from the group consisting of

- (1) hydrogen,
- (2) C₁₋₁₀ alkyl,
- (3) Si-(R⁹)(R¹⁰)(R¹¹),
- (4) C(=O)-R¹², wherein R¹² is selected from the group consisting of
 - (a) C₁₋₁₀ alkyl,
 - (b) C₁₋₁₀ perfluoroalkyl, and
 - (c) phenyl which is substituted or unsubstituted with one or more substituents selected from the group consisting of nitro, halogen, C₁₋₁₀ alkyl, and C₁₋₁₀ alkoxy,
- (5) CH₂-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C₁₋₁₀ alkyl and C₁₋₁₀ alkoxy,
- (6) (CH₂)_p-O-(CH₂)_q-X'-R¹⁴, and
- (7) tetrahydropyranyl,

wherein R⁹, R¹⁰ and R¹¹ are each C₁₋₁₀ alkyl or phenyl, and R¹⁴ is selected from the group consisting of

- (a) hydrogen,
- (b) C₁₋₁₀ alkyl,

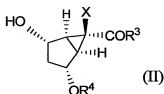
p is 1 or 2;

q is an integer of from 1-10; and

X' is O or a bond;

~~and~~ or salts thereof.

32. (currently amended): A compound of formula (II):



wherein R³ is selected from the group consisting of

- (1) -OH,
- (2) -O-R^a, and
- (3) -NR^bR^c,

wherein R^a is selected from the group consisting of

- (a) C₁₋₁₀ alkyl, and
- (b) C₃₋₈ cycloalkyl,

and R^a is unsubstituted or substituted with one or more

- (i) C₁₋₁₀ alkoxy,
- (ii) hydroxy,
- (iii) halogen,
- (iv) SR^d,
- (v) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen,
- (vi) ~~heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

- (a) hydrogen,
- (b) C₁₋₁₀ alkyl, and
- (c) C₃₋₈ cycloalkyl,

and when R^b, R^c, R^e and R^f are C₁₋₁₀ alkyl or C₃₋₈ cycloalkyl, said

C₁₋₁₀ alkyl and C₃₋₈ cycloalkyl are unsubstituted or substituted with one or more

- (i) hydroxy,
- (ii) C₁₋₁₀ alkoxy,
- (iii) SR^d,
- (iv) aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and
- (v) ~~heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C₁₋₁₀ alkyl or C₃₋₈ cycloalkyl;

~~or R^b and R^e, together with the N atom to which they are attached, form a group~~



~~wherein r is 1 or 2, and the NR^bR^e group may be unsubstituted or substituted at the ring carbon atoms by one or more~~

- (i) ~~hydroxy,~~
- (ii) ~~C₁₋₁₀ alkoxy,~~
- (iii) ~~SR^d,~~
- (iv) ~~aryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (v) ~~heteroaryl, unsubstituted or substituted with one or more hydroxy, C₁₋₁₀ alkoxy, C₁₋₁₀ alkyl or halogen, and~~
- (vi) ~~NR^gR^h;~~

R^d is hydrogen or C₁₋₁₀ alkyl;

R⁴ is selected from the group consisting of

- (1) hydrogen,
- (2) C₁₋₁₀ alkyl,

(3) Si-(R⁹)(R¹⁰)(R¹¹),

(4) C(=O)-R¹², wherein R¹² is selected from the group consisting of

(a) C₁₋₁₀ alkyl,

(b) C₁₋₁₀ perfluoroalkyl, and

(c) phenyl which is substituted or unsubstituted with one or more substituents selected from the group consisting of nitro, halogen, C₁₋₁₀ alkyl, and C₁₋₁₀ alkoxy,

(5) CH₂-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C₁₋₁₀ alkyl and C₁₋₁₀ alkoxy,

(6) (CH₂)_p-O-(CH₂)_q-X'-R¹⁴, and

(7) tetrahydropyranyl,

wherein R⁹, R¹⁰ and R¹¹ are each C₁₋₁₀ alkyl or phenyl, and

R¹⁴ is selected from the group consisting of

(a) hydrogen,

(b) C₁₋₁₀ alkyl,

p is 1 or 2;

q is an integer of from 1-10; and

X' is O or a bond;

X is selected from the group consisting of

(1) halogen, and

(2) hydrogen;

~~and~~ or salts thereof.

33. -36. (canceled).